



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4150-041**  
**Job Sheet 195772**



**Part No:** D4150-041

**Job Qty:** 4 pcs

**Part Name:** Attachment Arm Assembly



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 5/30/19

**Job Tracking No:**

**Due Date:** 6/21/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG REV B IPP Rev:A 10.06.24 new issue DD verf:EC IPP Rev:B 10.07.22 as per revB DD verf:JLM

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                   | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off          |
|-------|-----------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------------|
|       |                             |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                   |
| 100   | Small Fab - 1               | 4 pcs | 6/21/19    |          | 0.00      | 0.11    | Small Fab - 1         |           | AUG 01 2019       |
|       |                             |       |            |          |           |         | Small Fab - 2         |           |                   |
|       |                             |       |            |          |           |         | Small Fab - 3         |           |                   |
|       |                             |       |            |          |           |         | Small Fab - 4         |           |                   |
|       |                             |       |            |          |           |         | Small Fab - 5         |           |                   |
|       |                             |       |            |          |           |         | Small Fab - 6         |           |                   |
|       |                             |       |            |          |           |         | Small Fab - 7         |           |                   |
| 110   | QC 5                        | 4 pcs | 6/21/19    |          | 0.00      | 0.00    | QC 5 - 10             |           | AUG 01 2019       |
|       |                             |       |            |          |           |         | QC 5 - 12             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 17             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 18             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 19             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 22             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 24             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 3              |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 43             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 49             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 51             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 58             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 68             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 9              |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 50             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 30             |           |                   |
|       |                             |       |            |          |           |         | QC 5 - 40             |           |                   |
| 120   | Packaging 3-1 - Stock - B4B | 4 pcs | 6/21/19    |          | 0.00      | 0.00    | Packaging 3 - 1 - B4B |           | DAS<br>28<br>9-89 |
|       |                             |       |            |          |           |         | Packaging 3 - 2 - B4B |           |                   |
|       |                             |       |            |          |           |         | Packaging 3 - 3 - B4B |           |                   |
|       |                             |       |            |          |           |         | Packaging 3 - 4 - B4B |           |                   |
|       |                             |       |            |          |           |         | Packaging 3 - 5 - B4B |           |                   |
|       |                             |       |            |          |           |         | Packaging 3 - 6 - B4B |           |                   |
|       |                             |       |            |          |           |         | Packaging 3 - 7 - B4B |           |                   |

Plex 5/30/19 10:52 AM Dart.lajeunesse.marie

|  |  |  |  |                        |       |         |           |                 |                |
|--|--|--|--|------------------------|-------|---------|-----------|-----------------|----------------|
|  |  |  |  | Packaging 3 - 8 - B4B  |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 9 - B4B  |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 10 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 11 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 12 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 13 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 14 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 15 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 16 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 17 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 18 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 19 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 20 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 21 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 22 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 23 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 24 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 25 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 26 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 27 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 28 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 29 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 30 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 31 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 32 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 33 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 34 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 35 - B4B |       |         |           |                 |                |
|  |  |  |  | Packaging 3 - 36 - B4B |       |         |           |                 |                |
|  |  |  |  | 130 QC 21 - SA         | 4 pcs | 6/21/19 | 0.00 0.00 | QC 21 - SA - 21 |                |
|  |  |  |  |                        |       |         |           | QC 21 - SA - 70 | DAS            |
|  |  |  |  |                        |       |         |           | QC 21 - SA - 53 | 21 AUG 06 2019 |

Part Op 100 - (Small Fab)

Descriptions: 110 - QC5- Inspect part completeness to step on W/O)

120 - (Identify as per dwg &amp; Stock Location: \_\_\_\_\_)

130 - (QC21- Final Inspection - Work Order Release)

## Job BOM

| Part / Item   | Component Name | Quantity     | Operation         | Container |
|---------------|----------------|--------------|-------------------|-----------|
| AN3C13A       | Bolt           | 8 Ea (2 ea)  | 100-Small Fab - 1 | 8174151   |
| D4150-1       | Arm            | 4 pcs (1 ea) | 100-Small Fab - 1 | 8195035   |
| D4150-3       | Arm Plate      | 8 pcs (2 ea) | 100-Small Fab - 1 | 8200223   |
| MS21043-3     | Nut            | 8 Ea (2 ea)  | 100-Small Fab - 1 | 8176492   |
| NAS1149C0332R | Washer         | 16 Ea (4 ea) | 100-Small Fab - 1 | 8174158   |

## Job Allocations

| Operation         | Component Part | Required | Inventory | Allocated |
|-------------------|----------------|----------|-----------|-----------|
| 100-Small Fab - 1 | AN3C13A        | 8        | 56        | 0         |
|                   | D4150-1        | 4        | 2         | 0         |
|                   | D4150-3        | 8        | 0         | 0         |
|                   | MS21043-3      | 8        | 1,323     | 0         |
|                   | NAS1149C0332R  | 16       | 3,344     | 0         |

## Part Specifications

Specifications could not be found.

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

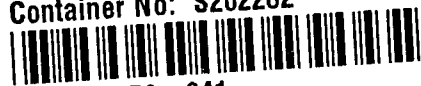
NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                   |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  |
| <b>Root Cause</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Presservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                        |  |



Container No: S202282



Part: D4150-041

Job No: 195772

Serial No/Batch: S202282

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 08/01/19